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MODEL NO: MQT154A1XXXX001A

DRAWING NO: 971532 REV: D

SPECIFIED OUTPUT WATTAGE	150	WATTS				
TEMPERATURE COEFFICIENT	200					
THERMAL SHUT DOWN	NO					
REMOTE ON/OFF POLARITY	OPEN OR PULLED UP FOR P.S.U. ON					
SENSE FOR V1 AND V2	J4					
TEMPERATURE RANGE	0	DEGREES C TO	50	DEGREES C		
TEMPERATURE COEFFICIENT	0.02%	PER DEGREE C				
ENVIRONMENT: CONVECTION	N / A					
FORCED AIR: FPM	N/A	CFM	25MIN	FOR	150	WATTS
FAN OUTPUT	N/A	A	N/A	VOLTS		
EMI: FCC LEVEL A B	B					
CISPRR, VCCCI						
CISPRR	B					
SAFETY: UL: 478, 1012, 1950	UL 1950					
CSA: 22.2#, 1962, 234, 1402	CSA 234 & 950					
IEC: 380, 435, 950,	TUV 950					
VDE: 0840, 0806	DESIGNED TO MEET EN60950					
OTHER:	N/A					
MECHANICAL OUTLINE : STANDARD	YES	P/N : 120251				
SPECIAL	N/A					

SPECIAL REQUIREMENTS:

NOTES:

1. LOAD O/P TO V1=2.6A, V2=0A, V3=0A, V4=4A FOR VOLTAGE SETTING.
2. TO CHECK CURRENT LIMIT O/P SHOULD BE LOADED TO MAX LOAD V1=15A, V2=5A, V3=0.5A, V4=1A.
3. MAX. COMBINED CURRENT OF OUTPUTS V1 AND V2 SHOULD BE LESS THAN 28A.
4. V3 IS AN ISOLATED OUTPUT.
5. CONNECT 0.01uf CERAMIC AND 10uf TANTALUM CAPACITOR AT THE OUTPUT CONNECTOR WHILE CHECKING PARD.
6. WHILE USING REMOTE SENSE THE GROUND FOR 12V AND 5V SHOULD BE THE SAME POINT OR THE SAME GND WIRES CONNECTIONS.
7. THE O/P CONNECTOR HARNESS HAS 18AWG MULTI STRAND WIRES OF 1 1/2 FT LENGTH AND THE SENSE HARNESS IS ALSO 22 AWG AND 1 1/2FT.
8. THE POWER SUPPLY MUST OPERATE AT 88 VAC (MIN) FOR A PERIOD OF 0.5 SECONDS @ 150 WATTS WITH NO FUNCTIONAL ERRORS. THE POWER FAIL SHOULD BE T.T.L HIGH AND THE OUTPUTS SHOULD REMAIN WITHIN REGULATION.

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OPTION CONNECTOR

CONNECTOR	PIN NO.	FUNCTION
J3	1	POWER FAIL
J3	2	NO PIN
J3	3	RTN (V1, V2, V4)
J3	4	REMOTE ON / OFF
J3	5	RTN (V1, V2, V4)

OPTION CONNECTOR

CONNECTOR	PIN NO.	FUNCTION
J4	1	V1 (+) SENSE
J4	2	V1 (-) SENSE
J4	3	V2 (+) SENSE
J4	4	V2 (-) SENSE

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OUTPUT CONNECTOR

CONN NO.	PIN NO.	FUNCTION
J2	1	+ V2
J2	2	+ V2
J2	3	+ V1
J2	4	+ V1
J2	5	+ V1
J2	6	+ V1
J2	7	RTN (V1, V2, V4)
J2	8	RTN (V1, V2, V4)
J2	9	RTN (V1, V2, V4)
J2	10	RTN (V1, V2, V4)
J2	11	RTN (V1, V2, V4)
J2	12	V3 (+) FLOATING
J2	13	V3 (-) FLOATING
J2	14	+ V4
J2	15	+ V4

INPUT CONNECTOR

CONNECTOR	PIN NO.	FUNCTION
J1	1	LINE IN
J1	2	NO PIN
J1	3	NEUTRAL
J1	4	NO PIN
J1	5	SAFETY GROUND

POWER SUPPLY SPECIFICATION

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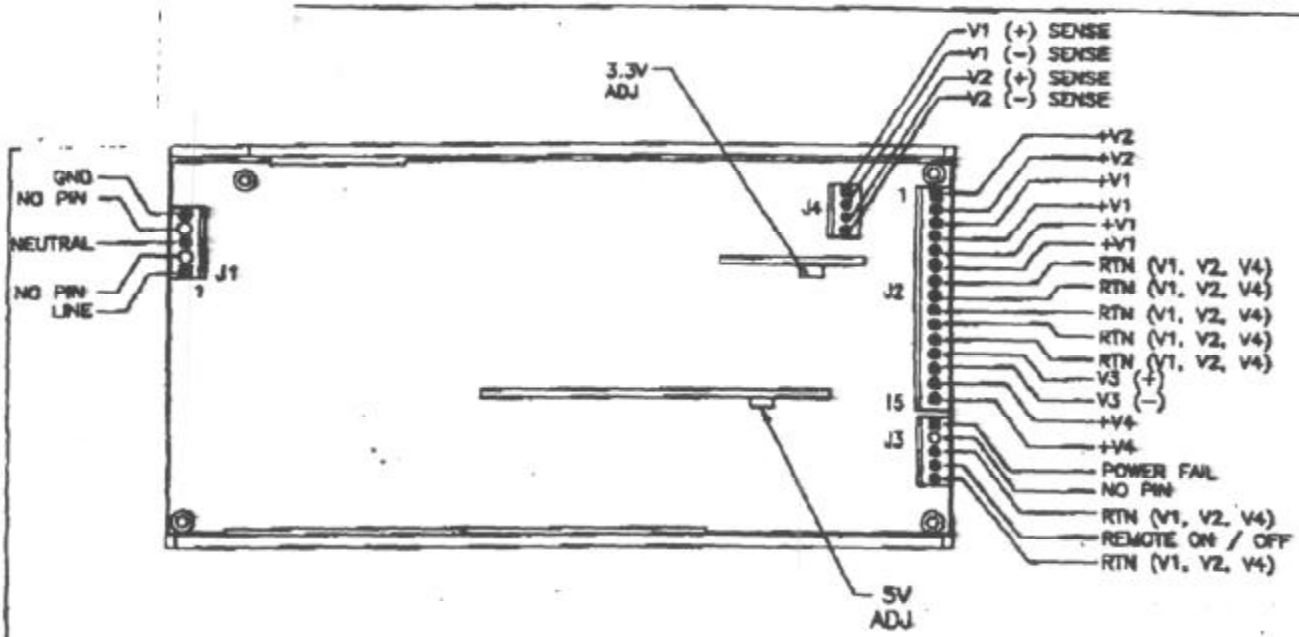
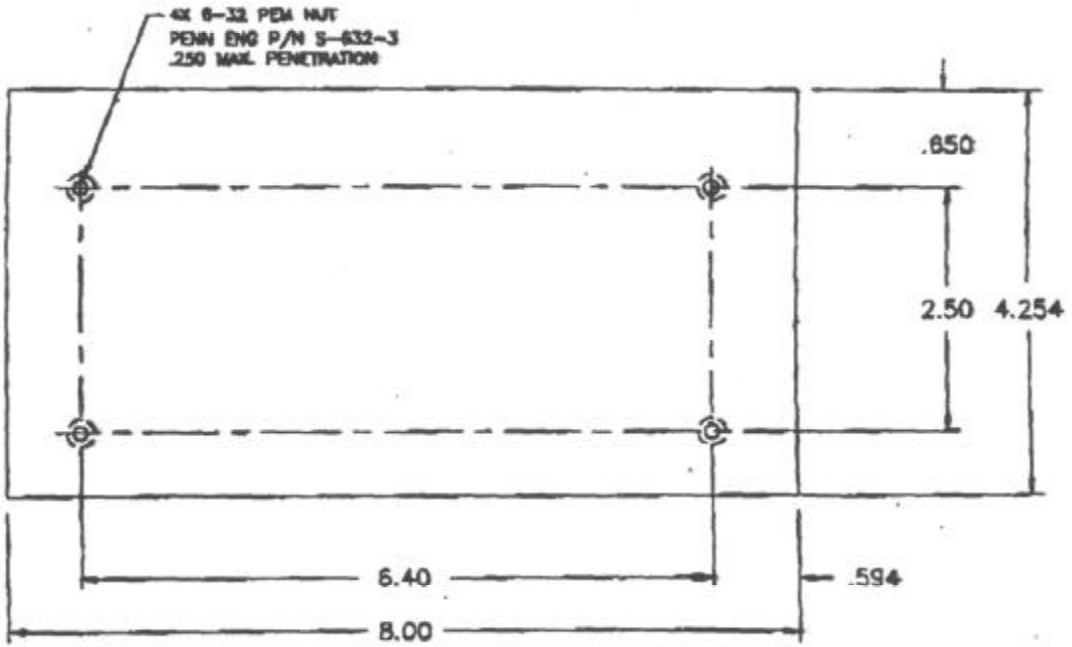
OUTPUT	NOTE 1	V1	V2	V3	V4	V5	V6
NOM. VOLTAGE	V	+5	3.3	-12 NOTE 4	+12		
SET TOLERANCE	V NOTE 1	5.14 TO 5.16	3.29 TO 3.33	-12.06 TO -12.12	–		
ADJ. RANGE	V	4.75 TO 5.25	3.0 TO 3.7	-11.5 TO -12.5	TRACKS V1		
MIN. CURRENT	A	2.8A	0	0	0.8		
MAX. CURRENT	A NOTE 3	26.0	8.0	1.0	6.0		
PEAK CURRENT	A	N/A	N/A	N/A	N/A		
PEAK DURATION	SEC	N/A	N/A	N/A	N/A		
REG LOAD, LINE, CROSS		4.85 TO 5.25	3.20 TO 3.40	-11.40 TO -12.60	11.40 TO 12.60		
PARD 20MHZ BW	mV P/P NOTE 5	50	50	120	120		
CURRENT LIMIT	NOTE 2	27 TO 38	9 TO 14	1.2 TO 5	6.5 TO 15		
OVP SETTING	V	6.0 TO TO 6.5	3.96 TO TO 4.29	N/A N/A	N/A N/A		
REMOTE SENSE	NOTE 6 & 7	YES	YES	N/A	N/A		
UVP SETTING	+/-V	N/A	N/A	N/A	N/A		
REVERSE RATING	A	26	8	1	6		
TRANSIENT RESPONSE 25% LOAD STEP (1A / Usec)	+	0.15	0.099	0.36	0.6		


V1 (+) SENSE
V1 (-) SENSE
V2 (+) SENSE
V2 (-) SENSE
3.3V ADJ
GND
NO PIN
NEUTRAL
NO PIN
LINE
J1
J4
J2
J5
J3
+V2
+V2
+V1
+V1
+V1
+V1
RTN (V1, V2, V4)
RTN (V1, V2, V4)
RTN (V1, V2, V4)
RTN (V1, V2, V4)
RTN (V1, V2, V4)
V3 (+)
V3 (-)
+V4
+V4
POWER FAIL
NO PIN
RTN (V1, V2, V4)
REMOTE ON / OFF
RTN (V1, V2, V4)
5V ADJ

1.50


4X 6-32 PEM NUT
PENN ENG P/N S-632-3
.250 MAX. PENETRATION
.650
2.50
4.254
6.40
.594
8.00